

IN THE CLAIMS:

Please amend the claims as follows.

1. (Currently Amended) An image processing apparatus comprising:
read means for scanning an original and reading image data from the scanned original;
image formation means for forming an image on a recording medium based on the read image data;
communication means for transmitting and receiving image data through a predetermined communication medium;
storage means for storing the image data read by said read means or the image data received by said communication means;
user administration means for administrating a user by an ID (identification) capable of specifying the user;
first setting means for setting any of plural image processing modes;
control means for performing control to perform an image input process and an image output process according to the image processing mode set by said first setting means;
number administration means for classifying the image input process and the image output process performed by said control means into plural forms, and administrating, with respect to each ID, image amounts processed respectively in said plural forms as plural kinds of number information respectively;
second setting means for respectively setting upper limit values of said plural kinds of number information, with respect to each ID; and

display means for selecting any of said plural kinds of number information;
and displaying said selected number information and information based on the upper limit
value of said selected number information on an operation unit

a reading unit configured to read an image on an original and generate
image data based on the read image;

an image forming unit configured to form an image on a recording medium;

a communication unit configured to transmit and receive image data through
a communication medium;

a first managing unit configured to manage a user by an ID (identification)
capable of specifying the user;

a first setting unit configured to set an image processing mode from among
a plurality of image processing modes;

a control unit configured to control said reading unit or said communication
unit in order to perform an image input process, and to control said image forming unit or
said communication unit in order to perform an image output process, according to the
image processing mode set by said first setting unit;

a second managing unit configured to classify each of the image input
processes and the image output processes into a plurality of kinds, and to manage, with
respect to each of the IDs, an amount of image which has been processed in each of the
plurality of kinds;

a second setting unit configured to set, with respect to each of the IDs, an
upper limit value indicating an amount of image that is allowed to be processed in each of
the plurality of kinds; and

a display control unit configured to select at least one kind from among the plurality of kinds according to the image processing mode set by said first setting unit, and display information indicating the managed amount of image and the upper limit value corresponding to the selected kind on a display unit.

2. (Currently Amended) An apparatus according to claim 1, wherein said display means selects, from among said plural kinds of number information, the number information that the remaining number is necessary for said image processing mode, and displays said selected number information and the information based on the upper limit value of said selected number information on the operation unit control unit selects, from among the plurality of kinds, a first kind corresponding to the image input process performed in the image processing mode set by said first setting unit and a second kind corresponding to the image output process performed in the image processing mode set by said first setting unit.

3. (Currently Amended) An apparatus according to claim 2, wherein said display means selects, from among said plural kinds of number information, the number information that the remaining number is necessary for said image processing mode and that is closest to the upper limit value, and displays said selected number information and the information based on the upper limit value of said selected number information on the operation unit control unit selects, from among the first kind and the second kind, a kind that the amount of image which has been processed is closer to the upper limit value.

4. (Currently Amended) An apparatus according to claim 2, wherein, in a case where there are the plural kinds of number information that the remaining number is necessary for said image processing mode, said display means displays the plural kinds of number information that the remaining number is necessary on the operation unit both the first kind and the second kind are selected, said display control unit displays both information indicating the managed amount of image and the upper limit value corresponding to the first kind and information indicating the managed amount of image and the upper limit value corresponding to the second kind.

5. (Currently Amended) An apparatus according to claim [[4]] 1, wherein, in a case where there are the plural kinds of number information that the remaining number is necessary for said image processing mode and the number of the information exceeds the number capable of being actually displayed on the operation unit, said display means displays the plural kinds of number information in order of closer to the upper limit value by the number capable of being displayed said display control unit selects a plurality of kinds, and the number of the selected plurality of kinds exceeds a number capable of being actually displayed on the display unit, said display control unit displays information indicating the managed amount of image and the upper limit value corresponding to the kind that the amount of image which has been processed is closer to the upper limit value on a display unit.

6. (Currently Amended) An apparatus according to claim 1, wherein said number administration means second managing unit classifies each of the image input process and the image output process ~~performed by said control means~~ into the plural

forms kinds including distinction of a black-and-white mode and a color mode, and administrates, with respect to each ID, the image amounts processed respectively in said plural forms as the plural kinds of number information respectively.

7. (Currently Amended) An apparatus according to claim 6, wherein, in a case where an undecided image processing mode that it is not decided whether the image input process and the image output process are performed in the black-and-white mode or the color mode is set, said display ~~means selects and displays, from the number information in the black-and-white mode and the number information in the color mode that the remaining number is necessary for said image processing mode, the number information close to the upper limit value~~ control unit selects a kind that the amount of image which has been processed is closer to the upper limit value from among a kind corresponding to the black-and-white mode and a kind corresponding to the color mode.

8. (Currently Amended) An apparatus according to claim 6, wherein, in a case where an undecided image processing mode that it is not decided whether the image input process and the image output process are performed in the black-and-white mode or the color mode is set, said display ~~means displays~~ control unit selects, at a time when the black-and-white mode or the color mode is decided, ~~the number information according to the decided mode~~ a kind corresponding to the decided mode.

9. (Cancelled)

10. (Currently Amended) An apparatus according to claim [[6]] 1.

~~wherein said number information and the information based on the upper limit value of said number information displayed on the operation unit by said display means include the number information, the upper limit value, and a value obtained by subtracting the number information from the upper limit value~~ the information displayed on said display unit includes a value obtained by subtracting the managed amount of image from the upper limit value.

11. (Currently Amended) An apparatus according to claim [[6]] 1,
~~wherein said plural kinds of number information include original number information concerning the number of originals read by said read means, output number information concerning the number of images output by said image formation means, output number information concerning the number of images output by said image formation means based on the image data received by said communication means through the predetermined communication medium, and image number information concerning the number of images transmitted by said communication means through the predetermined communication medium~~ said second managing unit manages at least the number of images which has been read by said reading unit, the number of images which has been read by said reading unit and formed by said image forming unit, the number of images which has been received by said communication unit and formed by said image forming unit, and the number of images which has been transmitted by said communication unit.

12. (Currently Amended) An apparatus according to claim [[1]] 11,
~~wherein said number administration means counts up the image number information transmitted by said communication means through the predetermined communication~~

~~medium, according to a transmission data amount~~ said second managing unit counts up the number of images which has been transmitted by said communication unit according to a transmission data amount.

13. (Currently Amended) An apparatus according to claim 12, wherein ~~said number administration means counts up the number of images transmitted by said communication means through the predetermined communication medium, equally to a value obtained by dividing an integrated value of the transmission data amounts by a predetermined image amount~~ said second managing unit obtains the number of images which has been transmitted by said communication unit by dividing an integrated value of the transmission data amounts by a predetermined data amount.

14. (Currently Amended) An apparatus according to claim 13, further comprising ~~third setting means for setting the predetermined image data amount~~ a third setting unit configured to set the predetermined data amount.

15. (Currently Amended) An apparatus according to claim 1, further comprising ~~first notification means, in a case where, in a state that any of the number information has reached its upper limit value, the user intends to perform a process according to the image processing mode that the remaining number is necessary to said number information, for notifying the user that the process cannot be performed~~ a first notification unit configured to, in a case where the managed amount of image corresponding to the image processing mode set by said first setting unit has reached its

upper limit value, notify a user that an image process intended by the user cannot be performed.

16. (Currently Amended) An apparatus according to claim 15, wherein, even in the state that ~~any of the number information has reached its upper limit value, a process according to the image processing mode that the remaining number is unnecessary can be performed to said number information~~ any of the managed amount of image has reached its upper limit value, an image process which does not correspond the kind that the managed amount of image has reached its upper limit value can be performed.

17. (Currently Amended) An apparatus according to claim 15, further comprising:

~~a fourth setting means for setting~~ unit configured to set a numeric value for the image processing mode set by said first setting ~~means~~ unit; and

~~a second notification means for calculating~~ unit configured to calculate a minimum value of the number of images which would be processed based on the image processing mode ~~set by said first setting~~ unit and the numeric value set by said fourth setting means unit, ~~comparing the calculated minimum value with the number information specified according to the image processing mode; and, in a case where the number information exceeds~~ the managed amount of image would exceed the upper limit value if the image process starts in the setting maintained as it is, ~~notifying~~ notifies the user that the ~~specified number information exceeds~~ the managed amount of image will reach its upper limit value.

18. (Currently Amended) An apparatus according to claim 17, further comprising a selection means unit configured to, in a case where it is notified by said second notification means unit that ~~the specified number information exceeds the~~ managed amount of image will reach its upper limit value, for selecting select whether to start the image process in the setting maintained as it is or change the setting.

19. (Currently Amended) An apparatus according to claim [[18]] 17, further comprising fifth setting ~~means for setting unit configured to set~~ said second notification ~~means unit~~ to be available or unavailable.

20.(Currently amended) An administration information display method for an image processing apparatus which is composed of a reading unit configured to read an image on an original and generate image data based on the read image, an image forming unit configured to form an image on a recording medium, a communication unit configured to transmit and receive image data through a communication medium, and a first managing unit configured to manage a user by an ID (identification) capable of specifying the user, the method comprising the steps of:

a first setting step of setting an image processing modes from among a plurality of image processing modes;

a control step of controlling said reading unit or said communication unit in order to perform an image input process, and to control said image forming unit or said communication unit in order to perform an image output process, according to the image processing mode set by said first setting unit;

a managing step classifying each of the image input process and the image output process into plurality of kinds, and to manage, with respect to each of the ID, amount of image which has been processed in each of the plurality of kinds;

a second setting step of setting, with respect to each of the ID, upper limit value indicating amount of image that is allowed to be processed in each of the plurality of kinds; and

a display control step of selecting at least one kind from among the plurality of kinds according to the image processing mode set by said first setting unit, and displaying information indicating the managed amount of image and the upper limit value corresponding to the selected kind on a display unit

a read means for scanning an original and reading image data from the scanned original, an image formation means for forming an image on a recording medium based on the read image data, a communication means for transmitting and receiving image data through a predetermined communication medium, a storage means for storing the image data read by the read means or the image data received by the communication means, and a user administration means for administrating a user by an ID (identification) capable of specifying the user, said method comprising:

a first setting step of setting any of plural image processing modes;

an image processing step of performing control to perform an image input process and an image output process according to the image processing mode set in said first setting step;

an administration step of classifying the image input process and the image output process performed by said image processing step into plural forms, and

administrating, with respect to each ID, image amounts processed respectively in said plural forms as plural kinds of number information respectively;

a second setting step of respectively setting upper limit values of said plural kinds of number information, with respect to each ID; and-

a display step of selecting any of said plural kinds of number information; and displaying said selected number information and information based on the upper limit value of said selected number information on an operation unit.

21. (Currently Amended) A computer readable medium encoded with a computer program for executing an administration information display method for an image processing apparatus composed of a reading unit configured to read an image on an original and generate image data based on the read image, an image forming unit configured to form an image on a recording medium, a communication unit configured to transmit and receive image data through a communication medium, and a first managing unit configured to manage a user by an ID (identification) capable of specifying the user, the method comprising the steps of:

a first setting step of setting an image processing modes from among a plurality of image processing modes;

a control step of controlling said reading unit or said communication unit in order to perform an image input process, and to control said image forming unit or said communication unit in order to perform an image output process, according to the image processing mode set by said first setting unit;

a managing step classifying each of the image input process and the image output process into plurality of kinds, and to manage, with respect to each of the ID, amount of image which has been processed in each of the plurality of kinds;

a second setting step of setting, with respect to each of the ID, upper limit value indicating amount of image that is allowed to be processed in each of the plurality of kinds; and

a display control step of selecting at least one kind from among the plurality of kinds according to the image processing mode set by said first setting unit, and displaying information indicating the managed amount of image and the upper limit value corresponding to the selected kind on a display unit

a read means for scanning an original and reading image data from the scanned original, an image formation means for forming an image on a recording medium based on the read image data, a communication means for transmitting and receiving image data through a predetermined communication medium, a storage means for storing the image data read by the read means or the image data received by the communication means, and a user administration means for administrating a user by an ID (identification) capable of specifying the user, said method comprising:-

a first setting step of setting any of plural image processing modes;-

an image processing step of performing control to perform an image input process and an image output process according to the image processing mode set in said first setting step;-

an administration step of classifying the image input process and the image output process performed by said image processing step into plural forms, and

~~administering, with respect to each ID, image amounts processed respectively in said plural forms as plural kinds of number information respectively;~~

~~a second setting step of respectively setting upper limit values of said plural kinds of number information, with respect to each ID; and~~

~~a display step of selecting any of said plural kinds of number information; and displaying said selected number information and information based on the upper limit value of said selected number information on an operation unit.~~

22. to 58. (Canceled)

59. (New) An apparatus according to Claim 1, wherein said second managing unit manages amount of image which has been processed in each of the plural kinds in unit of the number of pages.